

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/710,239

DATE: 11/27/2000  
 TIME: 14:01:10

Input Set : A:\seqlist.txt  
 Output Set: N:\CRF3\11272000\I710239.raw

ENTERED 3-27-00

0500  
 OIPE 01100  
 # 4  
 24  
 27



RECEIVED  
 DEC 14 2000  
 OIPE/JCWS

3 <110> APPLICANT: Chang, Robert C.  
 4 Kivirikko, Kari I.  
 5 Neff, Thomas B.  
 6 Olsen, David R.  
 7 Polarek, James W.  
 9 <120> TITLE OF INVENTION: RECOMBINANT GELATINS  
 11 <130> FILE REFERENCE: FG0219  
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/710,239  
 C--> 14 <141> CURRENT FILING DATE: 2000-11-10  
 16 <160> NUMBER OF SEQ ID NOS: 33  
 18 <170> SOFTWARE: PatentIn Ver. 2.0  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 51  
 22 <212> TYPE: DNA  
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 33 <400> SEQUENCE: 2  
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 46 <212> TYPE: DNA  
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 54 <212> TYPE: DNA  
 55 <213> ORGANISM: human  
 57 <400> SEQUENCE: 5  
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 60 <210> SEQ ID NO: 6  
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 62 <212> TYPE: DNA  
 63 <213> ORGANISM: human  
 65 <400> SEQUENCE: 6  
 66 tgctctagat cattaagcat ctcccttggt accatccaa 39

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68 <210> SEQ ID NO: 7
69 <211> LENGTH: 45
70 <212> TYPE: DNA
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74 tgctctagac tattaaggcg cgccagcacc acccttagca ccac 45
76 <210> SEQ ID NO: 8
77 <211> LENGTH: 48
78 <212> TYPE: DNA
79 <213> ORGANISM: human
81 <400> SEQUENCE: 8
82 tgctctagat cattaaggcg cgccagggtc accgctgtta cccttggg 48
84 <210> SEQ ID NO: 9
85 <211> LENGTH: 39
86 <212> TYPE: DNA
87 <213> ORGANISM: human
89 <400> SEQUENCE: 9
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92 <210> SEQ ID NO: 10
93 <211> LENGTH: 57
94 <212> TYPE: DNA
95 <213> ORGANISM: human
97 <400> SEQUENCE: 10
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100 <210> SEQ ID NO: 11
101 <211> LENGTH: 64
102 <212> TYPE: DNA
103 <213> ORGANISM: human
105 <400> SEQUENCE: 11
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107 ccag 64
109 <210> SEQ ID NO: 12
110 <211> LENGTH: 40
111 <212> TYPE: DNA
112 <213> ORGANISM: human
114 <400> SEQUENCE: 12
115 atgctctaga ttattaagga gaaccgtctc gtccagggga 40
117 <210> SEQ ID NO: 13
118 <211> LENGTH: 37
119 <212> TYPE: DNA
120 <213> ORGANISM: human
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126 <211> LENGTH: 37
127 <212> TYPE: DNA
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133 <210> SEQ ID NO: 15
134 <211> LENGTH: 102
135 <212> TYPE: PRT
136 <213> ORGANISM: human
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143 20 25 30
145 Pro Gly Ala Ser Gly Pro Met Gly Pro Arg Gly Pro Pro Gly Pro Pro
146 35 40 45
148 Gly Lys Asn Gly Asp Asp Gly Glu Ala Gly Lys Pro Gly Arg Pro Gly
149 50 55 60
151 Glu Arg Gly Pro Pro Gly Pro Gln Gly Ala Arg Gly Leu Pro Gly Thr
152 65 70 75 80
154 Ala Gly Leu Pro Gly Met Lys Gly His Arg Gly Phe Ser Gly Leu Asp
155 85 90 95
157 Gly Ala Lys Gly Asp Ala
158 100
161 <210> SEQ ID NO: 16
162 <211> LENGTH: 261
163 <212> TYPE: PRT
164 <213> ORGANISM: human
166 <400> SEQUENCE: 16
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168 1 5 10 15
170 Ala Pro Gly Pro Gln Gly Phe Gln Gly Pro Pro Gly Glu Pro Gly Glu
171 20 25 30
173 Pro Gly Ala Ser Gly Pro Met Gly Pro Arg Gly Pro Pro Gly Pro Pro
174 35 40 45
176 Gly Lys Asn Gly Asp Asp Gly Glu Ala Gly Lys Pro Gly Arg Pro Gly
177 50 55 60
179 Glu Arg Gly Pro Pro Gly Pro Gln Gly Ala Arg Gly Leu Pro Gly Thr
180 65 70 75 80
182 Ala Gly Leu Pro Gly Met Lys Gly His Arg Gly Phe Ser Gly Leu Asp
183 85 90 95
185 Gly Ala Lys Gly Asp Ala Gly Pro Ala Gly Pro Lys Gly Glu Pro Gly
186 100 105 110
188 Ser Pro Gly Glu Asn Gly Ala Pro Gly Gln Met Gly Pro Arg Gly Leu
189 115 120 125
191 Pro Gly Glu Arg Gly Arg Pro Gly Ala Pro Gly Pro Ala Gly Ala Arg
192 130 135 140
194 Gly Asn Asp Gly Ala Thr Gly Ala Ala Gly Pro Pro Gly Pro Thr Gly
195 145 150 155 160
197 Pro Ala Gly Pro Pro Gly Phe Pro Gly Ala Val Gly Ala Lys Gly Glu
198 165 170 175
200 Ala Gly Pro Gln Gly Pro Arg Gly Ser Glu Gly Pro Gln Gly Val Arg
201 180 185 190
203 Gly Glu Pro Gly Pro Pro Gly Pro Ala Gly Ala Gly Pro Ala Gly

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204      195      200      205
206 Asn Pro Gly Ala Asp Gly Gln Pro Gly Ala Lys Gly Ala Asn Gly Ala
207      210      215      220
209 Pro Gly Ile Ala Gly Ala Pro Gly Phe Pro Gly Ala Arg Gly Pro Ser
210 225      230      235      240
212 Gly Pro Gln Gly Pro Gly Gly Pro Pro Gly Pro Lys Gly Asn Ser Gly
213      245      250      255
215 Glu Pro Gly Ala Pro
216      260
219 <210> SEQ ID NO: 17
220 <211> LENGTH: 501
221 <212> TYPE: PRT
222 <213> ORGANISM: human
224 <400> SEQUENCE: 17
225 Gly Pro Met Gly Pro Ser Gly Pro Arg Gly Leu Pro Gly Pro Pro Gly
226 1      5      10      15
228 Ala Pro Gly Pro Gln Gly Phe Gln Gly Pro Pro Gly Glu Pro Gly Glu
229      20      25      30
231 Pro Gly Ala Ser Gly Pro Met Gly Pro Arg Gly Pro Pro Gly Pro Pro
232      35      40      45
234 Gly Lys Asn Gly Asp Asp Gly Glu Ala Gly Lys Pro Gly Arg Pro Gly
235      50      55      60
237 Glu Arg Gly Pro Pro Gly Pro Gln Gly Ala Arg Gly Leu Pro Gly Thr
238      65      70      75      80
240 Ala Gly Leu Pro Gly Met Lys Gly His Arg Gly Phe Ser Gly Leu Asp
241      85      90      95
243 Gly Ala Lys Gly Asp Ala Gly Pro Ala Gly Pro Lys Gly Glu Pro Gly
244      100      105      110
246 Ser Pro Gly Glu Asn Gly Ala Pro Gly Gln Met Gly Pro Arg Gly Leu
247      115      120      125
249 Pro Gly Glu Arg Gly Arg Pro Gly Ala Pro Gly Pro Ala Gly Ala Arg
250      130      135      140
252 Gly Asn Asp Gly Ala Thr Gly Ala Ala Gly Pro Pro Gly Pro Thr Gly
253 145      150      155      160
255 Pro Ala Gly Pro Pro Gly Phe Pro Gly Ala Val Gly Ala Lys Gly Glu
256      165      170      175
258 Ala Gly Pro Gln Gly Pro Arg Gly Ser Glu Gly Pro Gln Gly Val Arg
259      180      185      190
261 Gly Glu Pro Gly Pro Pro Gly Pro Ala Gly Ala Ala Gly Pro Ala Gly
262      195      200      205
264 Asn Pro Gly Ala Asp Gly Gln Pro Gly Ala Lys Gly Ala Asn Gly Ala
265      210      215      220
267 Pro Gly Ile Ala Gly Ala Pro Gly Phe Pro Gly Ala Arg Gly Pro Ser
268 225      230      235      240
270 Gly Pro Gln Gly Pro Gly Gly Pro Pro Gly Pro Lys Gly Asn Ser Gly
271      245      250      255
273 Glu Pro Gly Ala Pro Gly Ser Lys Gly Asp Thr Gly Ala Lys Gly Glu
274      260      265      270
276 Pro Gly Pro Val Gly Val Gln Gly Pro Pro Gly Pro Ala Gly Glu Glu

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277          275          280          285
279 Gly Lys Arg Gly Ala Arg Gly Glu Pro Gly Pro Thr Gly Leu Pro Gly
280          290          295          300
282 Pro Pro Gly Glu Arg Gly Gly Pro Gly Ser Arg Gly Phe Pro Gly Ala
283 305          310          315          320
285 Asp Gly Val Ala Gly Pro Lys Gly Pro Ala Gly Glu Arg Gly Ser Pro
286          325          330          335
288 Gly Pro Ala Gly Pro Lys Gly Ser Pro Gly Glu Ala Gly Arg Pro Gly
289          340          345          350
291 Glu Ala Gly Leu Pro Gly Ala Lys Gly Leu Thr Gly Ser Pro Gly Ser
292          355          360          365
294 Pro Gly Pro Asp Gly Lys Thr Gly Pro Pro Gly Pro Ala Gly Gln Asp
295          370          375          380
297 Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Ala Arg Gly Gln Ala Gly
298 385          390          395          400
300 Val Met Gly Phe Pro Gly Pro Lys Gly Ala Ala Gly Glu Pro Gly Lys
301          405          410          415
303 Ala Gly Glu Arg Gly Val Pro Gly Pro Pro Gly Ala Val Gly Pro Ala
304          420          425          430
306 Gly Lys Asp Gly Glu Ala Gly Ala Gln Gly Pro Pro Gly Pro Ala Gly
307          435          440          445
309 Pro Ala Gly Glu Arg Gly Glu Gln Gly Pro Ala Gly Ser Pro Gly Phe
310          450          455          460
312 Gln Gly Leu Pro Gly Pro Ala Gly Pro Pro Gly Glu Ala Gly Lys Pro
313 465          470          475          480
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316          485          490          495
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319          500
322 <210> SEQ ID NO: 18
323 <211> LENGTH: 59
324 <212> TYPE: PRT
325 <213> ORGANISM: human
327 <400> SEQUENCE: 18
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329 1          5          10          15
331 Pro Gly Pro Asp Gly Lys Thr Gly Pro Pro Gly Pro Ala Gly Gln Asp
332          20          25          30
334 Gly Arg Pro Gly Pro Pro Gly Pro Pro Gly Ala Arg Gly Gln Ala Gly
335          35          40          45
337 Val Met Gly Phe Pro Gly Pro Lys Gly Ala Ala
338          50          55
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342 <211> LENGTH: 101
343 <212> TYPE: PRT
344 <213> ORGANISM: human
346 <400> SEQUENCE: 19
347 Glu Ala Gly Leu Pro Gly Ala Lys Gly Leu Thr Gly Ser Pro Gly Ser
348 1          5          10          15

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VERIFICATION SUMMARY      DATE: 11/27/2000  
PATENT APPLICATION: US/09/710,239      TIME: 14:01:11

Input Set : A:\seqlist.txt  
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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date